

sub A1

1. An optical probe with a self-cleaning sampling window, comprising:  
2 a probe body having a window with a surface oriented toward a sample under  
investigation;  
4 a sampling beam carrying wavelengths representative of the sample into the probe  
body through the window for analysis;  
6 a conduit carrying a fluid to the surface oriented toward the sample; and  
a structure operative to flood the window with the fluid.

2. The optical probe of claim 1, wherein the wavelengths are representative  
2 of Raman spectra.

3. The optical probe of claim 1, wherein:  
2 the structure further includes an aperture through which the sampling wavelengths  
pass; and  
4 at least a portion of the fluid passes through the aperture to ensure that the sample  
under investigation does not reach the window.

4. The optical probe of claim 1, wherein the fluid is a solvent.

5. The optical probe of claim 1, wherein the fluid is a liquid.

KOS-11702/03  
91511sh

6. The optical probe of claim 1, wherein the fluid is a gas.

7. The optical probe of claim 1, wherein the fluid enters into the sample

2 under investigation after flooding the window.

*add  
as*